FRONT-END FORMATIONS

Level 2 - HTML5 Elements

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SECTION

> The section element represents a generic document or application section.
>
> - W3C SPECIFICATION

SECTION

> The section element represents a generic document or application section.
>
> - W3C SPECIFICATION

That sounds a lot like the definition for a div, doesn't it?

SECTION VS. DIV

A div has no semantic meaning, but the section element does. It's used for grouping together thematically related content.

SECTION VS. DIV

> “You might want to replace some of your div elements with section elements, but remember to always ask yourself, “Is all of the content related?”

- JEREMY KEITH IN “HTML5 FOR WEB DESIGNERS”

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A grouping of related content that contains a natural heading.

SECTION

Example usage of the section tag:

```
<div class="section">
  <h2>The Gallery</h2>
  <!-- ... -->
</div>
```

SECTION

Example usage of the section tag:

```
<div class="section">
  <h2>The Gallery</h2>
  <!-- ... -->
</div>
```

```
<section>
  <h2>The Gallery</h2>
  <!-- ... -->
</section>
```

THE DOCUMENT OUTLINE

The document outline produces an outline summary of an HTML document based on how it is marked up.

THE DOCUMENT OUTLINE

The following elements have their own self-contained outline:

- Article
- Aside
- Nav
- Section

THE DOCUMENT OUTLINE

Take the following example:

```
<h1>This is the title of the page.</h1>
<section>
  <h2>This is the title of a sub-section.</h2>
</section>
```

THE DOCUMENT OUTLINE

Take the following example:

```
<h1>This is the title of the page.</h1>
<section>
  <h2>This is the title of a sub-section.</h2>
</section>
```

1. This is the title of the page.

1.1 This is the title of a sub-section.

Example output of an HTML document outline.

THE DOCUMENT OUTLINE

Take the following example:

```
<h1>This is the title of the page.</h1>
<section>
  <h1>This is the title of a sub-section.</h1>
</section>
```

we can use an h1 inside of the section tag, and the document outline is unchanged.

THE DOCUMENT OUTLINE

Take the following example:

```
<h1>This is the title of the page.</h1>
<section>
  <h1>This is the title of a sub-section.</h1>
</section>
```

1. This is the title of the page.
1.1 This is the title of a sub-section.

we get the same outline as before.

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HEADER

> A group of introductory or navigational aids.

- W3C SPECIFICATION

HEADER

- There can be many different headers on a page
- Usually appears at the top of a document or section, but is defined by its content rather than its position

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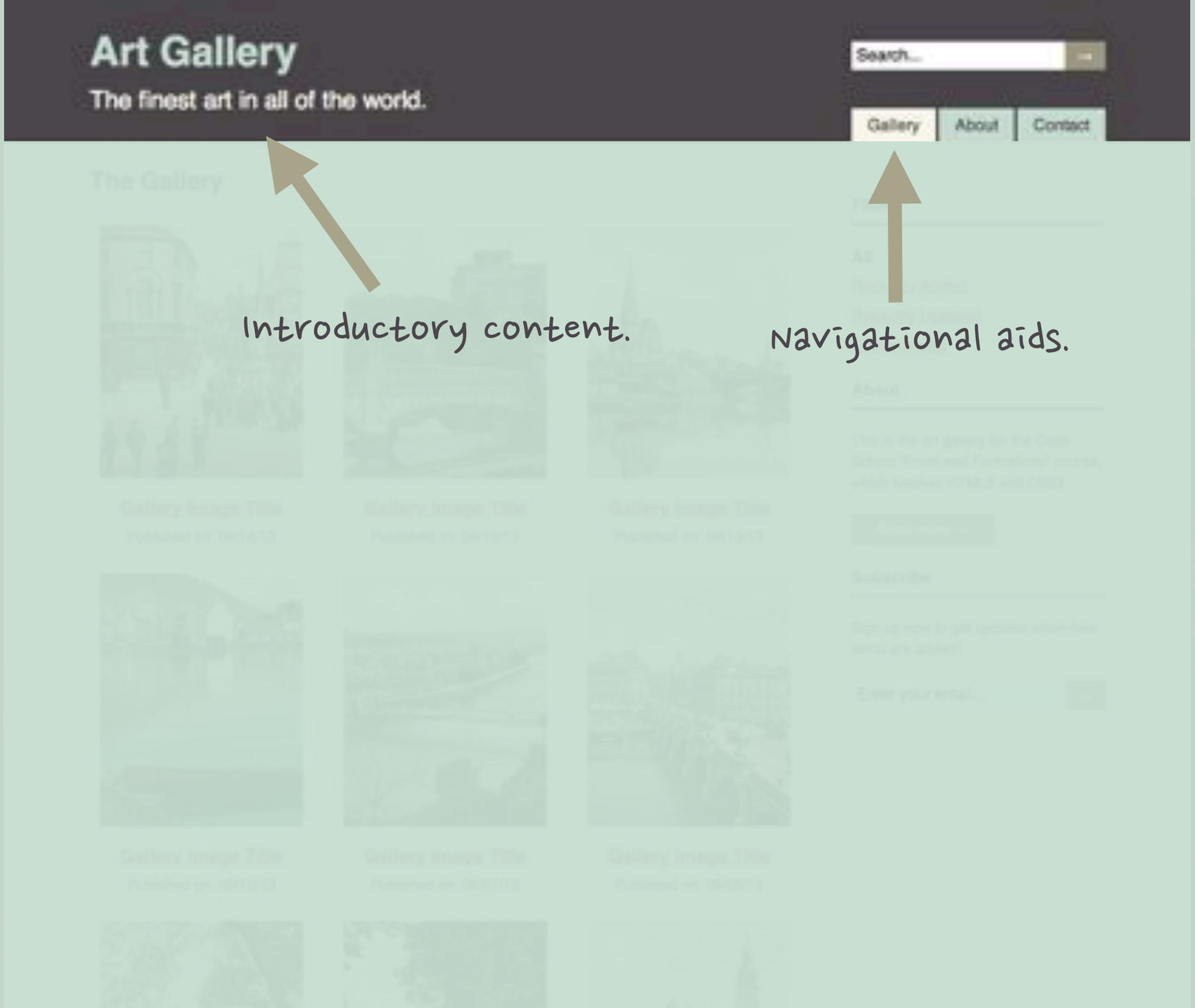
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Introductory content.
Navigational aids.

HEADER

Example usage of the header tag:

```
<div class="header">
  <!-- ... -->
</div>
```

HEADER

Example usage of the header tag:

```
<div class="header">
  <!-- ... -->
</div>
```

```
<header>
  <!-- ... -->
</header>
```

HEADER

Example usage of the header tag within a section:

```
<section>
  <header>
    <h1>The heading of the section</h1>
    <p>This is content in the header.</p>
  </header>
  <p>This is some information within the section.</p>
</section>
```

HEADER

Example usage of the header tag within a section:

```
<section>
  <header>
    <h1>The heading of the section</h1>
    <p>This is content in the header.</p>
  </header>
  <p>This is some information within the section.</p>
</section>
```

The header for the section.

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FOOTER

> The footer element represents a footer for its nearest ancestor sectioning content or sectioning root element.

- W3C SPECIFICATION

FOOTER

Like the header, the footer element is *not* position-dependent. It should describe the content it is contained within.

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A footer for the entire site.

Gallery About Contact

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FOOTER

Example usage of the footer tag:

```
<div class="footer">
  <!-- ... -->
</div>
```

FOOTER

Example usage of the footer tag:

```
<div class="footer">
  <!-- ... -->
</div>
```

```
<footer>
  <!-- ... -->
</footer>
```

FOOTER

Example usage of the footer tag within a section tag:

```
<section>
  <header>
    <h1>The heading of the section</h1>
    <p>This is content in the header.</p>
  </header>
  <p>This is some information within the section.</p>
  <footer>
    <p>By "Author Name"</p>
  </footer>
</section>
```

FOOTER

Example usage of the footer tag within a section tag:

```
<section>
  <header>
    <h1>The heading of the section</h1>
    <p>This is content in the header.</p>
  </header>
  <p>This is some information within the section.</p>
  <footer>
    <p>By "Author Name"</p>
  </footer>
</section>
```

A footer for the section element.

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ASIDE

Initially, the HTML5 spec defined the aside element as being “tangentially related to the content surrounding it.”

ASIDE

The aside now covers various contexts:

- When used within an article element, the aside contents should be related to that particular article it is contained within.
- When used outside an article element, the aside contents should be specifically related to the site.

ASIDE

The aside now covers various contexts:

- When used within an article element, the aside contents should be related to that particular article it is contained within.
- When used outside an article element, the aside contents should be specifically related to the site.

This closely resembles the definition of a sidebar for a site.

ASIDE

An aside element is appropriate when it is used to represent content that is *not* the primary focus of an article or page, but it *is* still related to the article or page.

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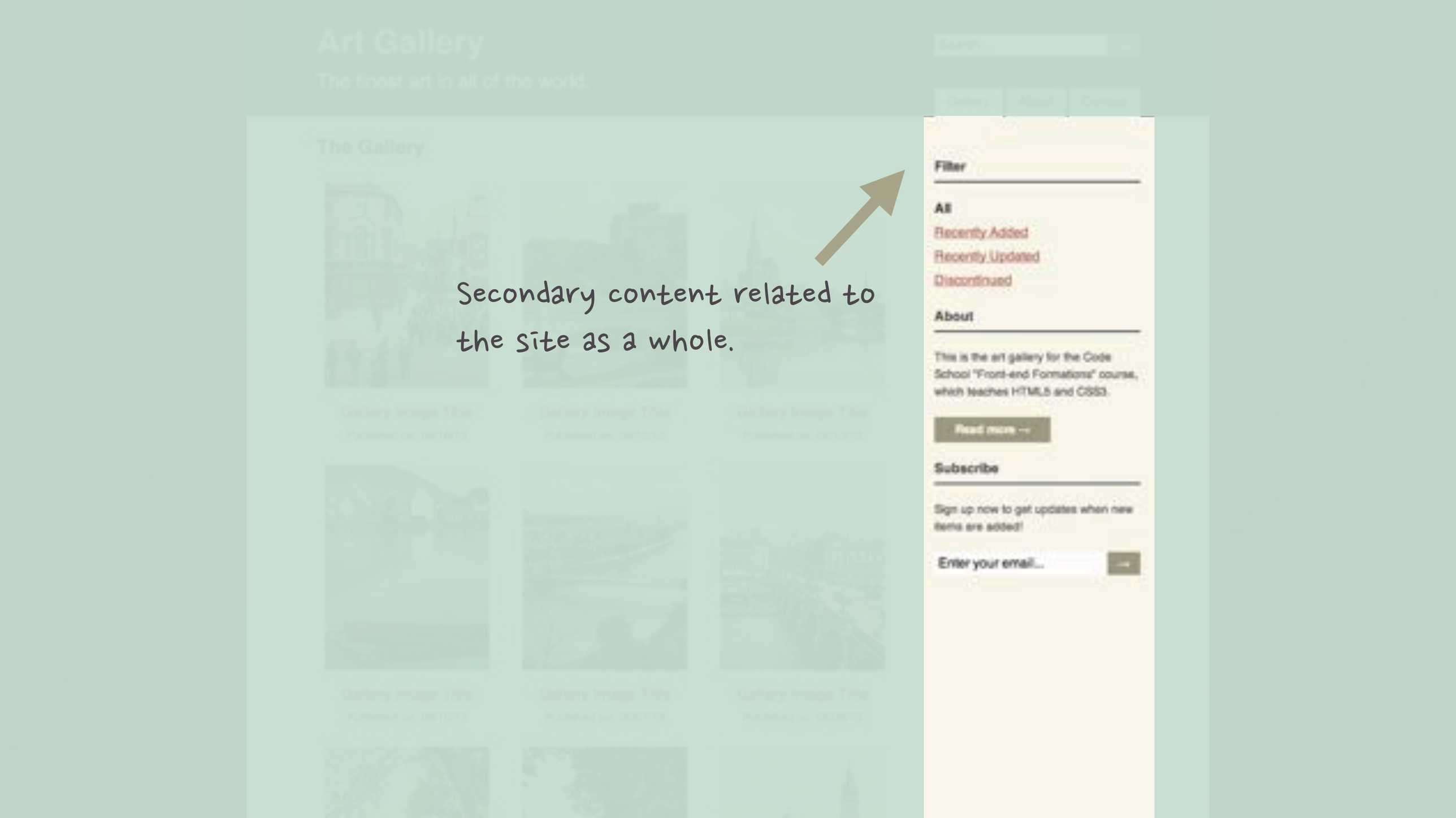
Secondary content related to the site as a whole.

ASIDE

Example usage of the aside tag:

```
<div class="sidebar">
  <!-- ... -->
</div>
```

ASIDE

Example usage of the aside tag:

```
<div class="sidebar">
  <!-- ... -->
</div>
```

```
<aside>
  <!-- ... -->
</aside>
```

ASIDE

Example usage of the aside tag within a section:

```
<section>
  <header>
    <h1>The heading of the section</h1>
    <p>This is content in the header.</p>
  </header>
  <p>This is some information within the section.</p>
  <aside>
    <p>Some secondary information.</p>
  </aside>
  <footer>
    <p>By "Author Name"</p>
  </footer>
</section>
```

ASIDE

Example usage of the aside tag within a section:

```
<section>
  <header>
    <h1>The heading of the section</h1>
    <p>This is content in the header.</p>
  </header>
  <p>This is some information within the section.</p>
  <aside>
    <p>Some secondary information.</p>
  </aside>
  <footer>
    <p>By "Author Name"</p>
  </footer>
</section>
```

An aside for the section element.

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NAV

> The nav element represents a section of a page that links to other pages or to parts within the page: a section with navigation links.

- W3C SPECIFICATION

NAV

The nav element is intended for “major navigation.”

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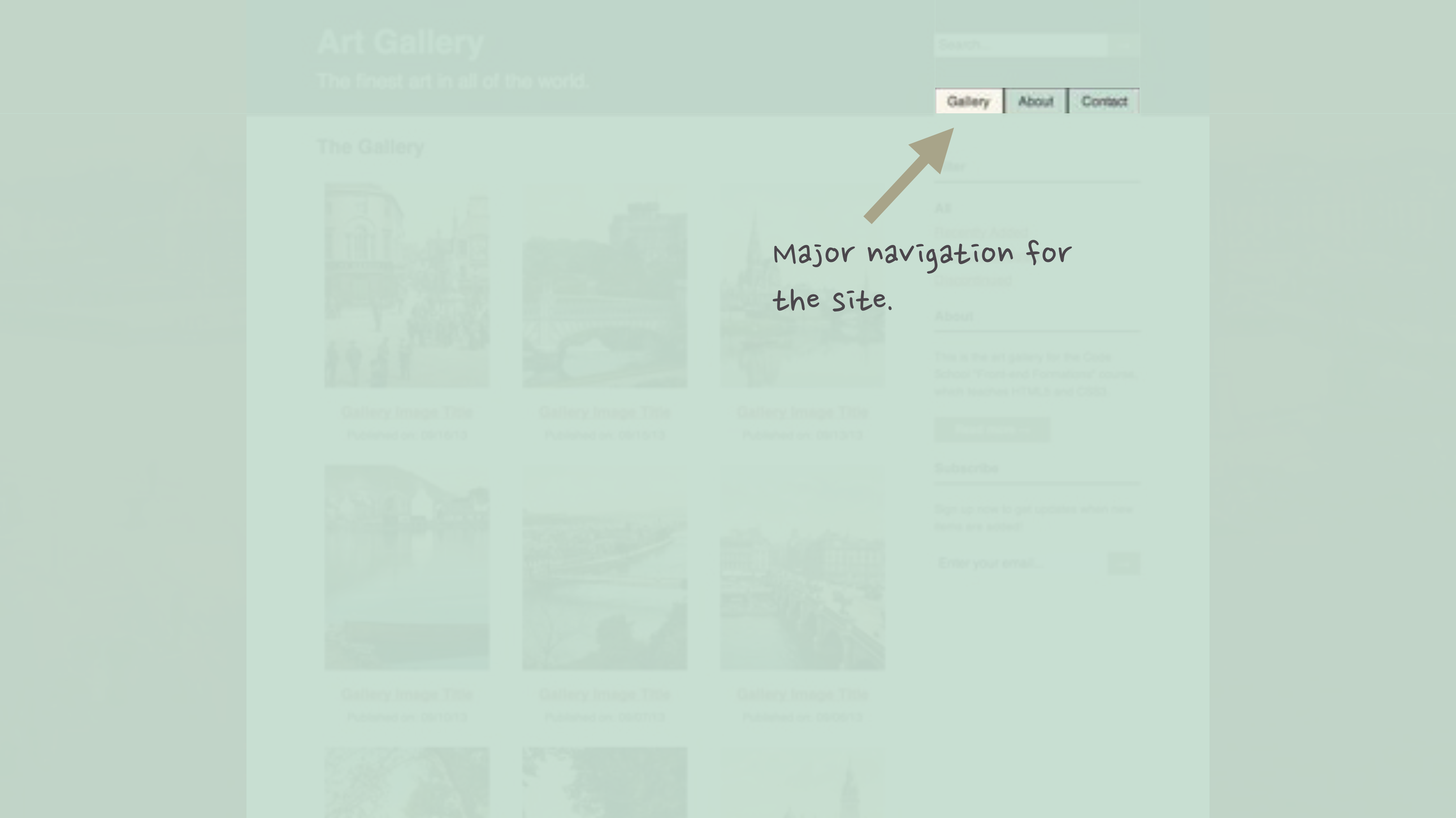
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The Gallery
Major navigation for the site.
About

NAV

Example usage of the nav tag:

```
<ul class="nav">
  <!-- ... -->
</ul>
```

NAV

Example usage of the nav tag:

```
<ul class="nav">
  <!-- ... -->
</ul>
```

```
<nav>
  <ul>
    <!-- ... -->
  </ul>
</nav>
```

FRONT-END FORMATIONS

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ARTICLE

> The article element represents a complete, or self-contained, composition in a document, page, application, or site and that is, in principle, independently distributable or reusable, e.g. in syndication.

- W3C SPECIFICATION

ARTICLE

The article element is another type of section. It is used for self-contained related content.

ARTICLE

Determining if a particular piece of content is “self-contained:”

Ask yourself if you would syndicate the content in an RSS or Atom feed.

ARTICLE

Some uses for the article tag:

- A blog post
- A news story
- A comment on a post
- A review

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ARTICLE

Example usage of the article tag:

```
<div class="article">
  <!-- ... -->
</div>
```

ARTICLE

Example usage of the article tag:

```
<div class="article">
  <!-- ... -->
</div>
```

```
<article>
  <!-- ... -->
</article>
```

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MAIN

> The main element represents the main content of the body of a document or application.

- W3C SPECIFICATION

MAIN

> The main content area consists of content that is directly related to or expands upon the central topic of a document or central functionality of an application.

- W3C SPECIFICATION

MAIN

- *Do not* include more than one main element in a document
- *Do not* include the main element inside of an article, aside, footer, header, or nav element

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Gallery Image Title

Published on: 09/07/13

Gallery Image Title

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The main content of the document.

MAIN

Example usage of the main tag:

```
<div class="main">
  <!-- ... -->
</div>
```

MAIN

Example usage of the main tag:

```
<div class="main">
  <!-- ... -->
</div>
```

```
<main>
  <!-- ... -->
</main>
```

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FIGURE

> The figure element represents a unit of content, optionally with a caption, that is self-contained, that is typically referenced as a single unit from the main flow of the document, and that can be moved away from the main flow of the document without affecting the document's meaning.

- W3C SPECIFICATION

FIGURE

A common use of the figure tag is for an image within an article:

```
<figure>
  <img src="image.jpg" alt="My Picture" />
</figure>
```

FIGCAPTION

> The figcaption element represents a caption or legend for a figure.
>
> - W3C SPECIFICATION

FIGCAPTION

Example usage of the figcaption tag:

```
<figure>
  <img src="image.jpg" alt="My Picture" />
  <figcaption>This is a caption for the picture.</figcaption>
</figure>
```

FIGCAPTION

Example usage of the figcaption tag:

```
<figure>
  <img src="image.jpg" alt="My Picture" />
  <figcaption>This is a caption for the picture.</figcaption>
</figure>
```

The caption for the picture.

FIGURE & FIGCAPTION

Example output of the figure and figcaption elements:

This is a caption for the picture.

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TIME

> The time element represents either a time on a 24 hour clock, or a precise date in the proleptic Gregorian calendar, optionally with a time and a time-zone offset.

- W3C SPECIFICATION

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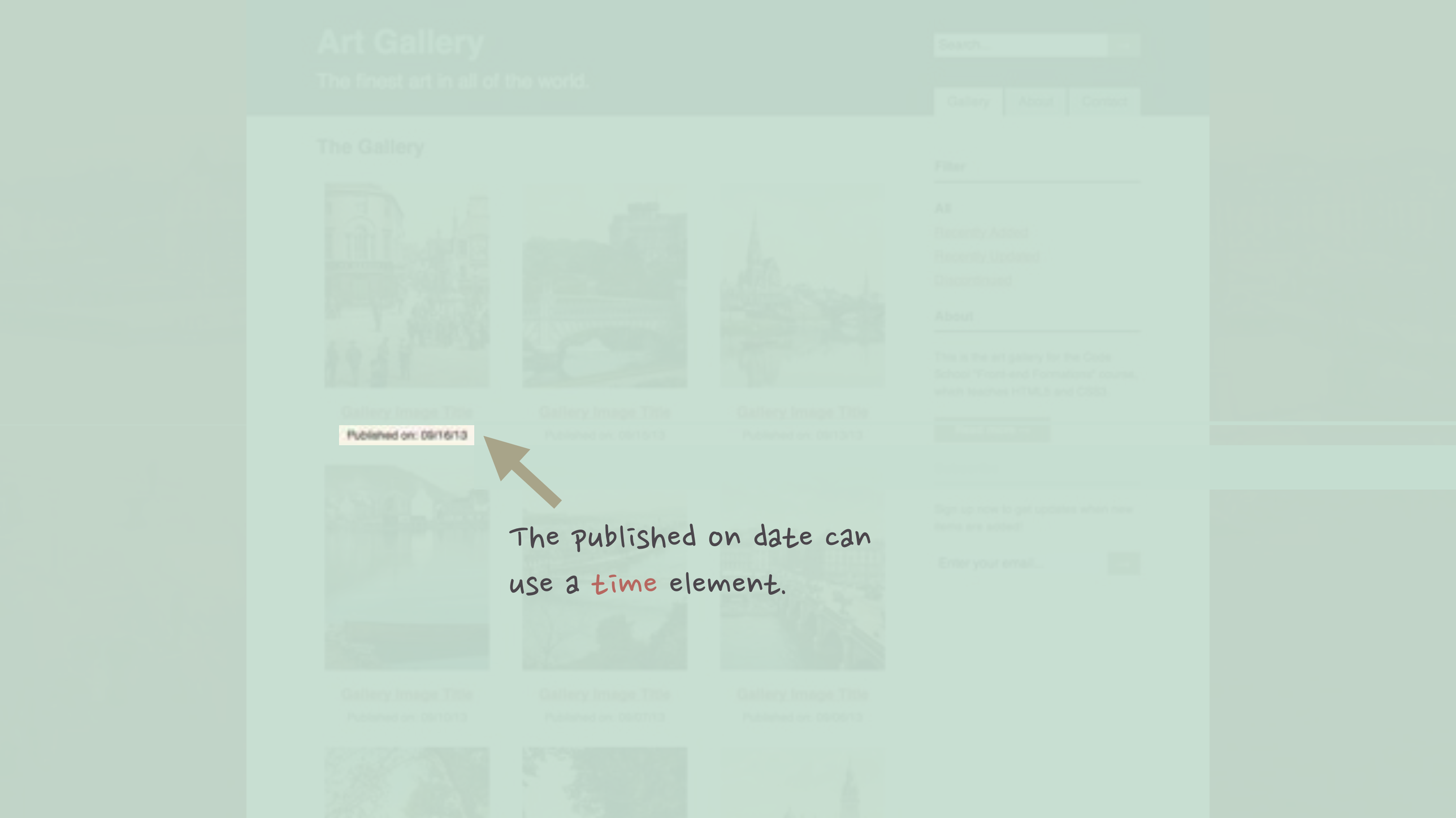
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The Gallery
Filter
All
Recently Added
Recently Updated
Unpublished
About
Published on: 09/16/13
The published on date can use a time element.
Enter your email...

TIME

Example usage of the time tag:

```
<time>2013-09-16</time>
```

TIME

Example usage of the time tag:

```
<time>2013-09-16</time>
```

We want the format “mm/dd/yyyy”:

```
<time>09/16/2013</time>
```

TIME

Example usage of the time tag:

```
<time>2013-09-16</time>
```

We use the datetime attribute to get our desired format:

```
<time datetime="2013-09-16">09/16/2013</time>
```

TIME

Example usage of the time tag:

```
<time>2013-09-16</time>
```

We use the datetime attribute to get our desired format:

```
<time datetime="2013-09-16">09/16/2013</time>
```

With the datetime attribute, the content can be anything relevant.

TIME

Without the datetime attribute, content must be a valid date, time, or precise datetime.

FRONT-END FORMATIONS